

STEREO MOC Status Report
Time Period: 2012:296 - 2012:302

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 297, during the DSS-55 support, turbo decoder lock was lost briefly at 0723z. This anomaly resulted in the loss of two frames of SSR data. See DR# N108483 for more information.
- On day 297, during the DSS-14 support, initial telemetry lock was established late at 1257z due to a receiver problem. A second receiver was placed online to correct the problem. SSR pointers were repositioned to recover lost data. See DR# G113322 for more information.
- On day 298, during the DSS-55 support, turbo decoder lock was lost briefly at 0823z. This anomaly resulted in the loss of two frames of SSR data. See DR# N108484 for more information.
- On day 299, during the DSS-55 support, turbo decoder lock was lost intermittently beginning at 0635z through 0642z due to heavy rain. This anomaly resulted in the loss of 6508 frames of SSR data. See DR# M106964 for more information.
- On day 300, during the DSS-63 support, turbo decoder lock was lost briefly at 0834z. This anomaly resulted in the loss of 37 frames of SSR data. See DR# N108487 for more information.
- On day 301, during the DSS-45 support, turbo decoder lock was lost briefly at 302-0014z. This anomaly resulted in the loss of one frame of SSR data. See DR# N108491 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 298, MOPS successfully conducted the triennial IMU-1 EEPROM Refresh at 1426z.

- On day 299, MOPS successfully conducted the triennial IMU-2 EEPROM Refresh at 1435z.
- The average daily SSR playback volume for Ahead was 5.5 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 296, the DSS-32 (New Norcia) support, turbo decoder lock was lost intermittently beginning at 0010z through 0215z due to weather. This anomaly resulted in the loss of 25 minutes of SSR data. This anomaly was investigated with ESA.
- On day 296, during the DSS-55 support, turbo decoder lock was lost briefly at 1304z and again at 1644z. This anomaly resulted in the loss of five frames of SSR data. See DR# N108486 for more information.
- On day 297, during the DSS-63 support, turbo decoder lock was lost briefly at 1208z. This anomaly resulted in the loss of one frame of SSR data. See DR# N108488 for more information.
- On day 298, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 1435z through 1736z due to heavy rain. This anomaly resulted in the loss of 4783 frames of SSR data. See DR# M106961 for more information.
- On day 299, during the DSS-63 support, turbo decoder lock was lost intermittently throughout the track beginning at 1305z through 1609z due to heavy rain. This included a complete telemetry outage from 1540z through 1609z. The SSR pointers were repositioned to minimize data loss, but did not recover all data. This anomaly resulted in the loss of 91255 frames of SSR data. See DR# M106961 for more information.
- On day 302, during the DSS 63 support, turbo decoder lock was lost intermittently between 1043z and 1432z. This anomaly resulted in the loss of 38 frames of SSR data. See DR# N108489 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 296, MOPS successfully powered on IMU-2 unit at 1513z to monitor performance before switching from IMU-1 unit on DOY 302.
- On day 298, MOPS successfully conducted the triennial IMU-1 EEPROM Refresh at 1502z.
- On day 299, MOPS successfully conducted the triennial IMU-2 EEPROM Refresh at 1432z.
- On day 300, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0951z for 12.5 hours. The primary cause was the SSR pointer repositioning to minimize data loss during DSS-63 track with heavy rain on DOY 299.
- On day 301, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1338z for 5.2 hours. SECCHI (Part 19) reached 100% full at 1736z for 1.1 hours. The primary cause was the SSR pointer repositioning to minimize data loss during DSS-63 track with heavy rain on DOY 299.
- On day 301, IMPACT and PLASTIC conducted real-time commanding at 1913z to perform a system soft reset to being executing flight software from EEPROM. Normal operations resumed for PLASTIC at 2239Z and IMPACT at 2301Z.
- On day 302, MOPS successfully switched to IMU-2 unit at 1230z and subsequently powered off IMU-1 unit at 1321z.
- On day 302, the SSR science partitions filled as follows:

SECCHI (Part 19) reached 100% full at 1012z for 0.9 hours. SECCHI (Part 19) reached 100% full at 1428z for 0.3 hours. The primary cause was the SSR pointers repositioning to minimize data loss during DSS-63 track with heavy rain on DOY 299.
- The average daily SSR playback volume for Behind was 4.6 Gbits during this week.